Metoda scantei

Algoritmul 3 (Metoda secantei)

$$x_0, x_1 = \text{valorile iniţiale}$$

 $x_{i+1} = x_i - \frac{f(x_i)(x_i - x_{i-1})}{f(x_i) - f(x_{i-1})}$ for $i = 1, 2, 3, ...$

$\times_0 = 0$ $\{0 = |0 - \frac{2}{3}| = \frac{2}{3}$ Drowie?

$$\times_1 = 1$$
 $|x| = |x| - \frac{2}{3}| = \frac{1}{3}$ et secontai drepter + $0 + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{1}{3}$

$$\frac{1}{1+1} = \frac{1}{2} \times \frac{1}{1+1} \times \frac{1}{2} \times \frac{1}{1+1} \times \frac{1}{2} \times \frac{1}{1+1} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{1+1} \times \frac{1}{2} \times \frac{1}$$

$$X_{1} = \frac{1}{2} = 0.5$$
 $2 = \frac{3}{12} = \frac{2}{15} = 0.133$

$$x_3 = \frac{1}{11} = 0.63$$
 $l_3 = \left| \frac{1}{11} - \frac{1}{3} \right| = \frac{1}{33}$ $l_3 \approx \frac{3}{5} \cdot \frac{1}{6} \cdot \frac{1}{3} = \frac{0.1}{30}$

$$f'(x) = 6 \times + 1 \qquad - \Rightarrow f'(\frac{2}{3}) = 5$$

$$f''(x) = 6 \qquad - \Rightarrow f''(\frac{2}{3}) = 6$$

Ascentii:
$$y - y_0 = m(x - x_0)$$

$$x_1 - x_0$$

